



02-16-07

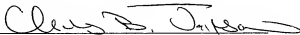
1761
PATENT
674509-2028IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Jorn Borch Soe
U.S. Serial No. : 09/750,990
Filing Date : December 28, 2000
For : FOODSTUFF
Art Unit : 1761

745 Fifth Avenue
New York, NY 10151

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Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The Examiner's attention is respectfully directed to the following documents set forth in the accompanying form PTO-1449. Copies of the cited references are enclosed. These documents were cited in a litigation relating to U.S. Patent No. 6,852,346, or were cited by Applicants in related applications through the submission of Information Disclosure Statements, or were cited documents from the US or foreign Patent Offices in related applications. Those

documents cited in related applications (either by Applicant or by the relevant Patent Office) are marked on the enclosed PTO-1449 with an asterisk "*" in the second column providing alphabetic identifiers for each document, i.e., a document marked as "*AG" was cited in a related application. Applicants request that the Examiner consider and make of record the documents cited herein and that a copy of Form PTO-1449, initialed by the Examiner be returned to the Applicants' attorneys.

This Information Disclosure Statement is not a representation that the documents cited herein is considered most pertinent, or that a search has been undertaken or that the cited documents are indeed prior art. The Examiner is invited to undertake an independent search.

As this Information Disclosure Statement is being submitted before receipt of a first Office Action, no fee is deemed necessary. However, the Commissioner is authorized to charge any additional required fee for this paper, or credit any overpayment in fees to Deposit Account 50-0320.

Respectfully submitted,


FROMMER LAWRENCE & HAUG LLP
Attorneys for Applicants



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(212) 588-0800

References (9)

Based on Form PTO-1449 (Rev. 10-2007) 		ATTY. DOCKET NO. 674509-2028		SERIAL NO. 09/750,990				
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Soe						
		FILING DATE December 28, 2000		GROUP 1761				
FOREIGN PATENT DOCUMENTS								
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	*AB	2006/008508	1/26/06	WO				
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	A	91/00920	1/24/91	WO				
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	A	6815190	11/9/04	Abo			
	*B	2002/0098536	7/25/02	Norinobu			
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	*E	2002/0168746	11/14/02	Tsutsumi			
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	*G	2003/0040450	2/27/03	Rey			
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	* AE	3520702	7/14/70	Menzi			
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	*DF	6180406	1/30/01	Stemmer			
	DG	6254645	7/3/01	Kellis			
	*DH	6344328	2/5/02	Short			
	DI	6350604	2/26/02	Hirayama			
	*DJ	6358543	3/19/02	Soe			
	*DK	6361974	3/26/02	Short			
	DL	6365204	4/2/02	Spendler			
	DM	6432898	8/13/02	Rey			
	D●	6495357	12/17/02	Fuglsang			
	DO	6506588	1/14/03	Tsutsumi			
	D●	6509182	1/21/03	Tsutsumi			

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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)			
		Kunze, Hans, et al., "On the mechanism of lysophospholipase activity of secretory phospholipase A2 (EC 3.1.1.4): deacylation of monoacylphosphoglycerides by intrinsic sn-1 specificity and Ph-dependent acyl migration in combination with sn-2 specificity", <i>Biochimica et Biophysica Acta</i> , vol. 1346, 1997, pp. 86-92	
A		Kuwabara, et al., "Purification and Some Properties of Water-soluble Phospholipase B from <i>Torulasporea delbrueckii</i> ", <i>J. Biochem.</i> , vol. 104, pp. 236-241, 1988	
B		Kuwabara, et al., "Purification and Some Properties of Water-soluble Phospholipase", <i>Agric. Biol. Chem.</i> , vol. 52, no. 10, pp. 2451-2458, 1988	
C		Kweon et al., "Phospholipid Hydrolase and Antistaling Amylase Effects on Retrogradation of Starch in Bread", <i>Journal of Food Science</i> , vol. 59, no. 5, 1994	
D		Larchenkova LP et al. Effect of starter and souring temperature on reproduction of <i>E coli</i> and <i>lactobacilli</i> in milk.	
*E		Larsen N G et al, <i>Journal of Cereal Science</i> (1990), vol 12(2), p155-164	
*F		Lecointe et al <i>Biotechnology Letters</i> , Vol 18, No 8 (August) pp 869-874	
*G		LEE, Keun Hyeung, et al., "Identification and characterization of the antimicrobial peptide corresponding to C-terminal B-sheet domain of tenecin 1, an antibacterial protein of larvae of <i>Tenebrio molitor</i> ", <i>Biochem. J.</i> , 1996, vol. 334, pp. 99-105	
H		Lee, Kyung S., et al., "The <i>Saccharomyces cerevisiae</i> PLB1 Gene Encodes a Protein Required for Lysophospholipase and Phospholipase B Activity", <i>The Journal of Biological Chemistry</i> , vol. 269, no. 31, Issue of August 5, pp. 19725-19730	
I		Leggio, Leila Lo, et al., "The 1.62 A structure of <i>Thermoascus aurantiacus</i> endoglucanase: completing the structural picture of subfamilies in glycoside hydrolase family 5", <i>FEBS Letters</i> , vol. 523, 2002, pp. 103-108	
J		Leidich et al., "Cloning and Disruption of <i>caPLB1</i> , a Phospholipase B Gene Involved in the Pathogenicity of <i>Candida albicans</i> ", <i>The Journal of Biological Chemistry</i> , vol. 273, no. 40, oo. 26078-26086, 1998	
K		Li, W., et al., "Surface properties and locations of gluten proteins and lipids revealed using confocal scanning laser microscopy in bread dough", <i>Journal of Cereal Science</i> , vol. 39, 2004, pp. 403-411	
L		Lih-ling Wang et al, <i>J Agric. Food. Chem.</i> (1993), 41, 1000-1005	
*M		Lima, Vera L.M., et al., "Lecithin-cholesterol acyltransferase (LCAT) as a plasma glycoprotein: an overview", <i>Carbohydrate Polymers</i> , vol. 55, 2004, pp. 179-191	
N		Lin M J Y et al, <i>Cereal Chemistry</i> (1974), vol 51(1), p34-45	
*O		Lin S et al, <i>Enzyme and Microbial Technology</i> 18 (1996), pp 383-387	
*P		Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 16 December 1985	
*Q		Lipase A "Amano" 6 Assay Note and Product Specification from Armano Pharmaceutical Co Ltd Nagoya Japan, 27 August 1985	
*R		Lipase A "Amano" 6 product sheet, 1 April 1999	
*S		Lipase SP677 as a Baking Enzyme, from Novo Nordisk, Denmark, 17 March 1994	
*T		Lipomod L338P	
*U			
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	*V	Lipopan F: Keep the quality - cut your costs 2000 Novozymes A/S. www.enzymes.novo.dk/cg-bin/bvisapi.dll/biotimes/one_article.jsp?id=16947&lang=en&t=b1	
	W	Lithauer, Derek, et al., "Pseudomonas luteola lipase: A new member of the 320- residue Pseudomonas lipase family", Enzyme and Microbial Technology, vol. 30, pp. 209-215, 2002	
	X	Llustenberger, Cornelia, et al., "Application of Noopazyme in Asian Noodles and Non-Durum Pasta", Cereal Food, 2002-18584-01, page 1, vol. 11	
	Y	Llustenberger, Cornelia, et al., "Enzymes in Frozen Dough and Parbaked Bread", Cereal Food, 2001-17056-01, page 1, vol. 19	
	*Z	Lo Y-C et al. Crystal structure of Escherichia coli Thioesterase I/Protease/Lysophospholipase L1: Consensus sequence blocks constitute the catalytic center of SGNH-hydrolases through a conserved hydrogen bond network. Journal of Molecular Biology, London, GB, vol 330, no 3, 539-551.	
	AA	Longhi, Sonia, et al., "Atomic Resolution (1.0 Å) Crystal Structure of Fusarium solani Cutinase: Stereochemical Analysis" J. Mol. Biol. vol. 268, pp. 779-799, 1997	
	AB	Lozano et al., "Over-stabilization of Candida antarctica lipase B by ionic liquids in ester synthesis", Biotechnology Letters, vol. 23, pp. 1529-1533, 2001	
	*AC	Lustenberger Abstract	
	*AD	Luzi, Paola et al, Genomics (1995), vol 26(2), p407-9	
	*AE	Madsen J.S. & Qvist K.B. (1997) J. Food Sci. 62, 579-582	
	AF	Mao, Cungui, et al., "Cloning and Characterization of a Saccharomyces cerevisiae Alkaline Ceramidase with Specificity for Dihydroceramide", The Journal of Biological Chemistry, vol. 275, no. 40, 2000, pp. 31369-31378	
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	*AH	Marion D et al – Chapter 6, pp131-p167 of "Interactions The Keys to Cereal Quality" 1998 ISBN 0 913250-99-6 (ed. Hamer & Hosney)	
	*AI	Marion D et al pp 245-280 of Wheat Structure Biochemistry & Functionality (ed Schofield JP) ISBN 085404777-8 published in 2000 - (It states that it is the Proceedings of Conference organised by Royal Soc of Chemistry Food Chemistry Group held on 10-12 April 1995, in Reading, UK. However, it is unclear why there was such a delay).	
	AJ	Marsh, Derek, et al., "Derivatized lipids in membranes. Physico-chemical aspects of N-biotinyl phosphatidylethanolamines and N-acyl ethanolamines", Chemistry and Physics of Lipids, vol. 105, 2000, pp. 43-69	
	AK	Martinelle et al., "The Role of Glu87 and Trp89 in the lid of Humicola lanuginosa lipase", Protein Engineering, vol. 9, no. 6, 1996, pp. 519-524	
	AL	Martinez, Christaline, et al., "Engineering cysteine mutants to obtain crystallographic phases with a cutinase from Fusarium solani pisi", Protein Engineering, vol. 6, no. 2, pp. 157-165, 1993	
	AM	Martinez, Diego, et al., "Genome sequence of the lignocellulose degrading fungus Phanerochaete chrysosporium strain RP78", Nature Biology, May 2, 2004	
	*AN	Mase et al., "Purification and Characterization of a new Lipase from Fusarium sp. TM-30", Biosci. Biotech. Biochem., vol. 59, no. 9, pp. 1771-1772, 1995	
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	*AO	Mason, Research Disclosure, Kenneth Mason Publications, Westbourne GB no 390, October 1996, pages 661-662	
	AP	Masuda, Naoko, et al., "Primary structure of protein moiety of <i>Penicillium notatum</i> phospholipase B deduced from the Cdna", Eur. J. Biochem., vol. 202, pp. 783-787, 1991	
	*AQ	Matos AR, Lipid Catabolism: Lipid Degradation, 2000, p779-781	
	AR	Matos, A.R., et al., "A patatin-like protein with galactolipase activity is induced by drought stress in <i>Vigna unguiculata</i> leaves", Biochemical Society Transactions, vol. 28, part 6, 2000	
	*AS	Matos, AR et al, Febs Letters, 491 (2001) P188-192	
	*AT	Matsuda H et al, Biochim Biophys Acta, (1979), vol 573(1), p155-65	
	AU	Matsuoka, et al., "Purification and properties of a Phospholipase C That has High Activity toward Spingomyelin from <i>Aspergillus Saitoi</i> "; Biotheconology and Applied Biochemistry (1987); vol. 9, pp. 401-409	
	*AV	Matthes et al, (1984) EMBO J. 3, p801-805	
	AW	Max-Planck-Institut fur Kohlenforschung et al., "Controlling the enantioselectivity of enzymes by directed evolution: Practical and theoretical ramifications"	
	AX	McAuley, Katherine E., et al., "Structure of a feruloyl esterase from <i>Aspergillus niger</i> ", Acta Crystallographica, Section D, pp. 878-887, 2004	
	*AY	McCoy M G et al, Journal of Lipid Research (2002), vol 43, pp921-929	
	*AZ	McNeill G.P. & Berger R.G. (1993) Enzymatic glycerolysis of palm oil fractions and palm oil based model mixture: Relationship between fatty acid composition and monoglyceride yield, in Food Biotechnology 7: 75-87	
	BA	McNeill, Gerald P., et al., "Further Improvements in the Yield of Monoglycerides During Enzymatic Glycerolysis of Fats and Oils"	
	BB	McNeill, Gerald P., et al., "High-Yield Enzymatic Glycerolysis of Fats and Oils", JAOCS, vol. 68, no. 1, January 1991	
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	BE	Mechanism studies of the new lipase, Article, page 1, no. 14	
	BF	Memo: From Charlotte Johanson?, "Short introduction/ status on Ferulic Acid Esterases and Acetyl Xylan Esterases", January 9, 2004	
	BG	Meyer, V., et al., "Transcriptional regulation of the Antifungal Protein in <i>Aspergillus giganteus</i> ", Mol Genet Genomics, 2002, vol. 266, pp. 747-757	
	BH	Meyers, Robert A., "Molecular Biology and Biotechnology - A Comprehensive Desk Reference"	
	*BI	Michalski et al., "Photosynthetic apparatus in chilling-sensitive plants. VII. Comparison of the effect of galactolipase treatment of chloroplasts and cold-dark storage of leaves on photosynthetic electron flow", Biochimica et Biophysica Acta, vol. 589, pp. 84-99, 1980	
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	BK	Miller, Byron S., et al., "A Comparison of Cereal, Fungal, and Bacterial Alpha-Amylases as Supplements for Breadmaking", Food Technology, January 1953	
	*BL	Mine Y, Food Research International, 29(1), 1996, pp 81-84	
	BM	Ministerio da Ciencia e Tecnologia, <i>Diario Oficial da Uniao</i> , July 15, 2003	
	BN	Mogensen, Jesper E., et al., "Activation, Inhibition, and Destabilization of Thermomyces lanuginosus Lipase by Detergents", Biochemistry, vol. 44, pp. 1719-1730, 2005	
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	*BP	Molecular Biological Methods for Bacillus - Chapter 3 (Ed. C.R. Harwood and S.M. Cutting) 1990, John Wiley and Sons Ltd, Chichester, UK	
	BQ	Mølgaard, Anne, et al., "Rhamnogalacturonan acetyltransferase elucidates the structure and function of a new family of hydrolases", Structure, vol. 9, no. 4, 2000	
	*BR	Molochnaya Promyshlennost 1980 No. 11 21-25, 47 - abstract from Food Sci & Tech Abs.	
	*BS	Monick John A., Alcohols, Their Chemistry, Properties and Manufacture	
	*BT	Monographs for Emulsifiers for Foods, EFEMA November 1985 2nd Edition	
	BU	Moore, Charles M., et al., "Metal ion homeostasis in Bacillus subtilis", Current Opinion in Microbiology, 2005, vol. 8, pp. 188-195	
	BV	Morgan, Keith R., et al., "Stalling in Starch Breads: The Effect of Antistaling α -Amylase", Starch/Stärke, vol. 49, 1997, pp. 59-66	
	BW	Morgan-Jones, Gareth; "NOTES ON COELOMYCETES.II. CONCERNING THE FUSICOCCUM ANAMORPH OF BOTRYOSPHANERIA RIBIS", vol. Xxx, pp. 117-125; October-December 1987	
	*BX	Morinaga et al Biotechnology (1984) 2, p636-639	
	BY	Morten, T. & A., Letter, Rodovre, July 2004	
	BZ	Mukherjee, Kumar D. et al., "Enrichment of γ -linolenic acid from fungal oil by lipase-catalysed reactions", Appl. Microbiol Biotechnol (1991), Vol. 35, pp. 579-584	
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	CB	Murakami, Nobutoshi, et al., "Enzymatic Transformation of Glyceroacylcolipids into sn-1 and sn-2 Lysoacylcolipids by use of Rhizopus arrhizus Lipase", Tetrahedron, vol. 50, no. 7, pp. 1993-2002, 1994	
	CC	Mustaranta, Annikka, et al., "Comparison of Lipases and Phospholipases in the Hydrolysis of Phospholipids", Process Biochemistry, vol. 30, no. 5, pp. 393-401, 1995	
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	CE	Nagano, et al.; "Cloning and Nucleotide Sequence of cDNA Encoding a Lipase from <i>Fusarium keteororum</i> ", J. Biochem (1994); Vol. 116; pp. 535-540	
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*CG		Nagao et al, J. of Bioscience and Bioengineering Vol 89, No 5, 446-450, 2000	
*CH		Nagao et al, J. of Molecular Catalysis B: Enzymatic 17 (2002) 125-132	
*CI		Nagao et al, JAOCS Vol 78, No 2, 2001	
	CJ	Nagao, Toshihiro et al., "Cloning and Nucleotide Sequence of CDNA Encoding a Lipase from <i>Fusarium heterosporum</i> ", J. Biochem., vol. 116, pp. 535-540, 1994	
	CK	Nagao, Toshihiro et al., "Expression of Lipase cDNA from <i>Fusarium heterosporum</i> by <i>Saccharomyces cerevisiae</i> : High-Level Production and Purification", Journal of Fermentation and Bioengineering, 1996, vol. 81, no. 6, pp. 488-492	
	CL	Nagodawalthana et al., "Enzymes in Food Processing", Third Edition, 1993, Academic Press, Inc.	
	CM	National Research Council (U.S.) Committee on Specifications of the Food Chemicals Codex, "Lipase Activity" in <i>Food Chemicals Codex</i> (1981) National Academy Press, Washington, D.C. pp. 492-3	
*CN		Needleman & Wunsch (1970), J. of Molecular Biology 48, 443-453	
*CO		Nelson and Long, Analytical Biochemistry (1989), 180, p 147-151	
*CP		Nerland A H, Journal of Fish Diseases, vol 19, no 2, 1996, pages 145-150	
	CQ	Néron, et al., "Effects of lipase and the phospholipase on the lipids hydrolysis during mixing in correlation with the oxygen consumption by wheat flour dough during kneading" available at http://www.cnam.fr/biochimie	
	CR	Ness, Jon. E., et al., "DNA shuffling of subgenomic sequences of subtilisin" Nature Biotechnology, vol. 17, September 1999	
	CS	Nestle Research Center, Brochure for "Food Colloids 2006" in Montreux, Switzerland, 23-26 April 2006	
*CT		Neugnot Virginie et al, European Journal of Biochemistry, 2002, vol 269, pp 1734-1745	
	CU	Newport, G., et al., "KEX2 Influences <i>Candida albicans</i> Proteinase Secretion and Hyphal Formation", The Journal of Biological Chemistry, 1997, Vol. 272, no. 46, pp. 28954-28961	
	CV	Nicolas, Anne, et al., "Contribution of Cutinase Serine 42 Side Chain to the Stabilization of the Oxanyanion Transition State", Biochemistry, vol. 35, pp. 398-410, 1996	
	CW	Nielsen et al., "Lipases A and B from the yeast <i>Candida antarctica</i> "	
*CX		Nierle W et al, Fette Seifen Anstrichmittel (1981), vol 83(10), p391-395	
	CY	Nierle, Von W. et al. "Weizenlipide: Funktion und Einfluß bei der Verarbeitung des Mehles"	
	CZ	Nierle, W., et al., "Versuche zur Verlängerung der Haltbarkeit von Dartoffelprodukten", Chem. Mikrobiol. Technol. Lebensm., 1975, Vol. 3, pp. 172-175	
	*DA	Nobutoshi M et al, Tetrahedron Letters (1991), vol 31(1), p1331-4	
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	*DB	Novozymes data dated 17 July 2005 entitled "Baking performance of prior art lipases from <i>Humicola lanuginosa</i> , <i>Aspergillus tubigenis</i> , <i>Rhizopus delemar</i> and <i>Rhizomucor miehei</i> , and their activity on galactolipids in dough"			
	*DC	Novozymes Memo - Test of lipases for EP1193314B1, 6 July 2005			
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	DE	Novozymes, "Biowhitening - a new concept for steamed bread", <i>BioTimes</i> , January 2005			
	DF	Novozymes, "Breakthrough: Less Fattening Fried Food" <i>BioTimes</i> , June 2001, No. 2			
	DG	Novozymes, "Enzymes for dough strengthening", 2001			
	DH	Novozymes, "Lipopan F BG- application and mechanism of a new lipase for bread baking" (Draft) <i>Cereal Food</i> (2003) (Author: Drost-Lustenberger, C. et al.)			
	DI	Novozymes, "Lipopan F BG", <i>Cereal Foods</i>			
	DJ	Novozymes, "Mechanism studies of the new lipase"			
	DK	Novozymes, "Product Sheet for Lipopan F BG", <i>Cereal Food</i> , (2001)			
	DL	Novozymes, "Product Sheet for Lipopan FS BG", <i>Cereal Food</i> (2002)			
	DM	Novozymes, "Product Sheet for Lipopan S BG", <i>Cereal Food</i> (2002)			
	DN	Novozymes, "Product Sheet for Noopazyme"			
	DO	Novozymes, "Product Sheet for Novozym 27016" (draft); Novozymes, "Product Sheet for Novozym 27041" (draft)			
	DP	Novozymes, "Product Sheet for Novozym 27019" (draft)			
	DQ	Novozymes, "Product Sheet for Novozym 27080"			
	DR	Novozymes, "Product Sheet for Novozym 27106"			
	DS	Novozymes, "Product Sheet: Enzyme Business, Noopazyme" (draft)			
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	DU	Novozymes, "Product Sheet: Enzyme Business, Novozym 677 BG"			
	DV	Novozymes, "Revolutionizing baking", <i>BioTimes</i> (2002) pp. 6-7			
	DW	Novozymes, "Strong sales for lipase that makes dough stronger" <i>BioTimes</i> , December 2003			
	DX	Novozymes, "The Novozyme Touch: Make your mark on the future"			
	DY	Novozymes, "The perfect roll every time for steers", <i>BioTimes</i> , September 2003			
	DZ	Novozymes, "The value of innovation", <i>BioTimes</i> , March 2004			
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	EB	Novozymes, Lipopan 50 BG, Product Sheet			
	EC	Novozymes, Lipopan 50 BG, Product Specification			
	ED	Novozymes, Lipopan F BG, Product Data Sheet			
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	*EF		Novozymes. Enzymes at work
	EG		NY metode til aktivtetsbestemme fedtnedbrydende vaskemiddelzy
	EH		Nylander et al., "Interaction between lipids and lipases A collection of papers presented at the European Meeting on lipid and lipase interaction at Lund University"
	*EI		Ognjenovic Radomir et al, Acceleration of ripening of semi-hard cheese by proteolytic and lipolytic enzymes
	*EJ		Ohm, J.B., et al., "Relationships of Free Lipids with Quality Factors in Hard Winter Wheat Flours", Cereal Chem., vol. 79, no. 2, pp. 274-278, 2002
	EK		Ohta, S. et al., "Application of Enzymatic Modification of Phospholipids on Breadmaking", Abstract from AACCC 68th Annual Meeting in Kansas City, MO, Oct. 30th - Nov. 3, 1983, published in Cereal Foods World, p. 561.
	EL		Ohta, Yoshifumi, et al., "Inhibition and Inactivation of Lipase by Fat Peroxide in the Course of Batch and Continuous Glycerolyses of Fat by Lipase", Agric. Biol. Chem., Vol. 53, No. 7, pp. 1885-1890, 1989
	*EM		Okuy D.A. (1977) Partial glycerides and palm oil Crystallisation, in Journal of Science and Food Agriculture 28:955
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	*FM	<i>Phytochemical Dictionary</i> "Chapter 4, Sugar Alcohols and Cyclitols",	
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	FT		Product Data Sheet, Bakezyme P 500 BG, DSM Food Specialties		
	*FU		Product Description PD 40084-7a Grindamyl Exel 16 Bakery Enzyme		
	*FV		Product Sheet B1324a-GB - Lecitase ^R Novo, Novo Nordisk		
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V		Saxena, et al.; "Purification Strategies for Microbial Lipases"; <i>Journal of Microbiological Methods</i> (2003); pp. 1-18	
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*AS		Skovgaard, et al., "Comparison of Intra- and extracellular isozyme banding patterns of <i>Fusarium Oxysporum</i> "; Mycol. Res. (1998); Vol. 102(9); pp. 1077-1084	
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LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Soe	
		FILING DATE December 28, 2000	GROUP 1761
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)			
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